

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/39588

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61B 17/08
US CL : 606/213

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 606/213,151,185,151; 128/887

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST-hemosta\$, plug, pledget, mass, puncture, hole, aperture, seal, vessel, artery

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	US 2003/0120291 A1 (CHIN, et al.) 26 JUNE 2003 (26.06.2003), FIGURE 16 AND 17 AND ACCOMPANYING DESCRIPTION	1-3,5-9,14-16,18,20,21 and 50-57 ----- 11
A	US 5,250,071 A (PALERMO) 05 OCTOBER 1993 (05.10.1993)	1-58
X	US 5,021,059 A (KENSEY, et al.) 04 JUNE 1991 (04.06.1991), SEE FIGS. 7-12	1,2,5,6,8- 10,12,14,16,18,20- 23,50-54,56 AND 57
X	US 5,342,393 A (STACK) 30 AUGUST 1994 (30.08.1994), SEE FIGS. 2-6; COL. 2 LINES 53-60 AND COL. 4 LINES 23-57.	1-3,5-8,14-16,18,34- 36,40-42,50-53 AND 58



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

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document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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Date of the actual completion of the international search

06 September 2005 (06.09.2005)

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13 OCT 2005

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